

## SCALE DRAWINGS

Your goal is to measure 13 objects in our classroom and draw a scale drawing of the room. The scale drawing will be a top-view or a footprint of our classroom.

Measure the following items in the room. Remember you are measuring in feet, but using a yard stick...be careful! Measure objects to the nearest half foot.

**DAY 1:** With a partner, get all the objects measured, set up a proportion and solve for scale drawings.

**DAY 2:** Individually, draw a scale drawing of the classroom, with all objects labeled.

Object:	Length Proportion: $\frac{1/4 \text{ in}}{1 \text{ ft}} = \frac{\text{in.}}{\text{ft}}$	If needed Width Proportion: $\frac{1/4 \text{ in}}{1 \text{ ft}} = \frac{\text{in.}}{\text{ft}}$	NEW LENGTH MEASUREMENT	NEW WIDTH MEASUREMENT
1. Black cabinet behind teacher desk	5 ft	3 ft		
2. Student desks (Do you think you need to measure each desk?)	2 1/2 ft	3 ft		
3. Teacher desk	5 ft	2 1/2 ft		
4. Computer table	5 ft	2 ft		

<b>5. Missing work table</b>	<b>5 ½ ft</b>	<b>2ft</b>		
<b>6. Table with turn-in baskets</b>	<b>5 ft</b>	<b>2 ft</b>		
<b>7. Octagon Table</b>	<b>4 ft</b>	<b>4ft</b>		
<b>8. Front wall</b>	<b>28 ft</b>			
<b>9. Back wall</b>	<b>30 ft</b>			
<b>10. North wall</b> (Assume this wall continues straight and connects to the front wall)	<b>27 ft</b>			
<b>11. South wall</b>	<b>28 ft</b>			
<b>12. Windows</b>	<b>10 ½ ft</b>			
<b>13. Door to Mrs. Van Lith's room</b>	<b>3 ft</b>			